CCS Parent-Child Report

Parent Requirement	CCS-0140	The CCS shall provide the capability for authorized CCS users to access system functions and data through a graphical user interface.

Child Ident	Child Requirement
CCS.6-0010	The GUI shall provide the capability for authorized users to access CCS front-end processing functions and data.
CCS.6-0020	The GUI shall provide the capability for authorized users to access CCS command processing functions and data.
CCS.6-0030	The GUI shall provide the capability for authorized users to access CCS system monitoring functions and data.
CCS.6-0040	The GUI shall provide the capability for authorized users to access CCS data management functions and data.
CCS.6-0050	The GUI shall provide the capability for authorized users to access CCS management functions and data.

Parent Requirement	CCS-0150	The CCS shall provide the capability for authorized CCS users to manually override or disable automated system functions.

Child Ident	Child Requirement
CCS.3-0120	System Monitoring shall provide the capability for the CCS user to enable and disable the automatic playback and monitoring of merged telemetry.
CCS.3-0130	System Monitoring shall provide the capability for the CCS user to enable/disable automatic commanding in response to deviations from expected spacecraft behavior.

CCS.3-0460	System Monitoring shall provide the capability for the CCS user to enable and disable the automatic monitoring of real-time telemetry.
CCS.6-0060	The GUI shall provide the capability for authorized users to switch between automated and manual spacecraft commanding modes.
CCS.6-0070	The GUI shall provide the capability for authorized users to enable and disable automated spacecraft monitoring functions.

Parent Requirement **CCS-0160** The CCS shall provide access to on-line help functions and system documentation to CCS users.

Child Ident	Child Requirement
CCS.6-0080	The GUI shall display on-line help information associated with the use of system functions.
CCS.6-0090	The GUI shall provide access to help associated with the currently active display.

Parent Requirement **CCS-0170** The CCS shall accept requests from public users to perform publicly available functions, including retrieval of unprotected data.

Child Ident	Child Requirement
CCS.6-0100	The GUI shall provide the capability for unidentified external users to perform publicly available functions, including retrieval of unprotected data.

Parent Requirement **CCS-0180** The CCS shall send the specified information to public users in response to a request to perform publicly available functions.

Child Ident	Child Requirement
CCS.6-0110	The GUI shall route the specified information to public users in response to a request to perform publicly available functions.

Parent Requirement	CCS-0190	The CCS shall maintain the following information: spacecraft engineering data; spacecraft event data; Integrated Command Schedule (ICS); Project Reference Data (PRD); system event data; and, system configuration and process information.

Child Ident	Child Requirement
CCS.3-0010	System Monitoring shall obtain Project Reference Data, Historical Integrated Command Schedule (HICS), and merged spacecraft engineering data from Data Management.
CCS.3-0020	System Monitoring shall transfer all received event messages to Data Management for storage.
CCS.3-0040	System Monitoring shall obtain Integrated Command Schedule from Command Processing.
CCS.3-0430	System Monitoring shall receive updates to relevant portions of the PRD through Data Management.
CCS.3-0470	System Monitoring shall generate and maintain spacecraft state and spacecraft event information.
CCS.3-0480	System Monitoring shall be able to maintain the results of analysis and trending requests.
CCS.6-0120	The GUI shall maintain user interface information (e.g., screen definitions, applets) needed to support interaction with the system.

Parent Requirement	CCS-0200	The CCS shall be able to maintain operational and development databases to support both flight operations and Servicing Missions.

Child Ident	Child Requirement
CCS.3-0090	System Monitoring shall be able to initialize all System Monitoring functions upon transition to a different PRD.
CCS.6-0130	The GUI shall provide the capability for authorized users to specify whether the operational or a developmental database is to used in processing.

Parent Requirement	CCS-0350	The CCS shall provide the capability for authorized users to incorporate requested actions (e.g., real-time commands, flight software loads) into the integrated command schedule.

Child Ident	Child Requirement
CCS.6-0140	The GUI shall provide the capability for authorized users to request actions be inserted into the integrated command schedule.
CCS.6-0150	The GUI shall provide the capability for authorized users to request actions be deleted from the integrated command schedule.
CCS.6-0160	The GUI shall provide the capability for authorized users to modify actions within the integrated command schedule.

Parent Requirement	CCS-0380	The CCS shall provide the capability for authorized users to generate a spacecraft schedule timeline in graphical format.

Child Ident	Child Requirement
CCS.6-0170	The GUI shall provide the capability for authorized users to generate a spacecraft event timeline, for a specified interval, from the operational command schedule.
CCS.6-0180	The GUI shall provide the capability for authorized users to generate a spacecraft event timeline, for a specified interval, from a planning command schedule.

Parent Requirement	CCS-0400	The CCS shall provide the capability for authorized users to manually verify that actions specified in the integrated command schedule are allowable.

Child Ident	Child Requirement
CCS.6-0190	The GUI shall provide the capability for authorized users to indicate that specific actions in the integrated command schedule are allowable (i.e., critical/hazardous commands).

Parent Requirement	CCS-0430	The CCS shall provide the capability for authorized users to suspend the execution of actions specified in the integrated command schedule.

Child Ident	Child Requirement
CCS.6-0200	The GUI shall provide the capability for authorized users to manually perform spacecraft commanding functions.

Parent Requirement	CCS-0440	The CCS shall control and maintain information concerning its internal configuration.

Child Ident	Child Requirement
CCS.3-0070	System Monitoring shall receive event messages from all other CCS elements (i.e., FEP, GUI, CCM, DMG, and CMD).
CCS.3-0080	System Monitoring shall initialize all System Monitoring functions at system startup or after any change in system configuration or mode of operation.
CCS.3-0330	System Monitoring shall identify and route all system-related events to CCM.
CCS.6-0210	The GUI shall provide the capability for users to display real-time system event data.
CCS.6-0220	The GUI shall provide the capability for users to display historical system event data.
CCS.6-0230	The GUI shall send information concerning GUI events to SYM.

Parent Requirement	CCS-0460	The CCS shall be able to automatically verify the transmission of information (i.e., commands and data) to the spacecraft, based on received engineering data, has been successfully performed.

Child Ident	Child Requirement
CCS.3-0170	System Monitoring shall provide spacecraft state data upon request to Command Processing.

CCS.3-0210	System Monitoring shall be able to detect deviations from expected spacecraft behavior by comparing the expected state with the actual state indicated by engineering telemetry, filtered events, and state change information from Command Processing.

Parent Requirement **CCS-0480** The CCS shall be able to control a simulation facility and monitor its current state.

Child Ident	Child Requirement
CCS.3-0190	System Monitoring shall be able to monitor telemetry from a simulation facility in the same manner as with the HST spacecraft.
CCS.3-0200	System Monitoring shall be able to detect deviations from the expected behavior of a simulation facility, respond to such deviations, and issue commands in the same manner as with the HST spacecraft.

Parent Requirement **CCS-0490** The CCS shall be able to monitor, evaluate, and log the status of the spacecraft, based on either real-time or recorded engineering data.

Child Ident	Child Requirement
CCS.3-0050	System Monitoring shall receive real-time engineering data from the FEP.
CCS.3-0150	System Monitoring shall extract and store information related to the state of the spacecraft (and the space network) from real-time and recorded engineering telemetry, from filtered event messages and from state change information received from Command Pr
CCS.3-0160	System Monitoring shall receive recorded engineering data from Data Management.
CCS.3-0180	System Monitoring shall provide spacecraft state data upon request to CCS Users.

Parent Requirement **CCS-0500** The CCS shall be able to detect user specified deviations in spacecraft behavior from expected spacecraft operations, based on real-time engineering data.

Child Ident	Child Requirement

CCS.3-0050	System Monitoring shall receive real-time engineering data from the FEP.
CCS.3-0210	System Monitoring shall be able to detect deviations from expected spacecraft behavior by comparing the expected state with the actual state indicated by engineering telemetry, filtered events, and state change information from Command Processing.
CCS.3-0240	System Monitoring shall log all deviations from expected spacecraft behavior.
CCS.3-0250	System Monitoring shall track the status of each deviation from expected spacecraft behavior and log all associated actions until the deviation is resolved or corrected.

Parent Requirement **CCS-0510** The CCS shall determine what corrective action to take when a deviation in expected spacecraft operations is detected, based on real-time engineering data.

Child Ident	Child Requirement
CCS.3-0060	System Monitoring shall send command directives to command processing for uplink to the spacecraft.
CCS.3-0140	System Monitoring shall receive status from command processing indicating that command information has been received.
CCS.3-0260	System Monitoring shall perform analyses of pertinent engineering telemetry, command processing, and event data associated with each miscompare between expected spacecraft behavior and its true state to produce a set of specific parameters that are then u

Parent Requirement **CCS-0520** The CCS shall notify the appropriate user when a deviation in expected spacecraft operations is detected, based on real-time engineering data.

Child Ident	Child Requirement
CCS.3-0220	System Monitoring shall generate an event message each time a deviation in expected spacecraft operations is detected.
CCS.3-0230	System Monitoring shall generate an event message whenever a deviation in expected spacecraft operations is resolved.

CCS.3-0340	System Monitoring shall route all event messages requiring notification of personnel to CCS Management.
CCS.6-0240	The GUI shall be able to route and display a specified message to logged-in user.

Parent Requirement **CCS-0530** The CCS shall provide the capability for authorized users to prevent the system from automatically taking specific actions when a deviation in expected spacecraft operations is detected.

Child Ident	Child Requirement
CCS.3-0130	System Monitoring shall provide the capability for the CCS user to enable/disable automatic commanding in response to deviations from expected spacecraft behavior.
CCS.6-0060	The GUI shall provide the capability for authorized users to switch between automated and manual spacecraft commanding modes.

Parent Requirement **CCS-0540** The CCS shall be able to detect deviations in spacecraft behavior from expected spacecraft operations, based on recorded engineering data.

Child Ident	Child Requirement
CCS.3-0100	System Monitoring shall be able to automatically perform all monitoring and fault detection activities when merged engineering data becomes available.
CCS.3-0110	System Monitoring shall be able, upon CCS user request, to perform monitoring and fault detection activities with merged engineering data, over specified intervals of time.

Parent Requirement **CCS-0550** The CCS shall notify the appropriate user when a deviation in expected spacecraft operations is detected, based on recorded engineering data.

Child Ident	Child Requirement

CCS.3-0220	System Monitoring shall generate an event message each time a deviation in expected spacecraft operations is detected.
CCS.3-0230	System Monitoring shall generate an event message whenever a deviation in expected spacecraft operations is resolved.
CCS.3-0240	System Monitoring shall log all deviations from expected spacecraft behavior.
CCS.6-0230	The GUI shall send information concerning GUI events to SYM.

Parent Requirement **CCS-0560** The CCS shall provide the capability for authorized users to retrieve engineering data (telemetry, FSW dumps) maintained by the system.

Child Ident	Child Requirement
CCS.6-0250	The GUI shall provide the capability for authorized users to request the retrieval of specified engineering data maintained by the system.
CCS.6-0260	The GUI shall display the status associated with each request to retrieve engineering data.

Parent Requirement **CCS-0570** The CCS shall provide the capability for authorized users to display real-time engineering data.

Child Ident	Child Requirement
CCS.6-0270	The GUI shall provide the capability for authorized users to request the display of specified real-time engineering data on their terminal
CCS.6-0280	The GUI shall be able to display real-time engineering data in either tabular or strip-chart format.
CCS.6-0290	The GUI shall provide the capability for authorized users to discontinue the display of specified real-time engineering data on their terminal.

Parent Requirement	CCS-0580	The CCS shall provide the capability for authorized users to process (i.e., perform analysis/trending functions and display) retrieved engineering data.

Child Ident	Child Requirement
CCS.3-0270	System Monitoring shall be able to perform analyses, at the request of CCS users or applications, involving engineering telemetry and event data.
CCS.3-0280	System Monitoring shall be able, at the request of CCS users, to generate plots, reports and displays presenting the results of analyses.
CCS.3-0290	System Monitoring shall establish priorities for analysis activities to ensure timely completion of critical and urgent requests.
CCS.3-0320	System Monitoring shall obtain engineering data needed to perform analyses from Data Management.
CCS.3-0490	System Monitoring shall route real-time event messages to requesting users via the Graphic User Interface.
CCS.6-0300	The GUI shall provide the capability for authorized users to process (i.e., display) retrieved engineering data.
CCS.6-0310	The GUI shall provide the capability for authorized users to submit analysis requests that specify the time when engineering data is to be retrieved and processed.
CCS.6-0320	The GUI shall provide the capability for authorized users to view the status of specified analysis requests.
CCS.6-0330	The GUI shall provide the capability for authorized users to modify scheduled analysis requests.

Parent Requirement	CCS-0590	The CCS shall provide the capability for authorized users to save processed engineering data.

Child Ident	Child Requirement
CCS.3-0300	System Monitoring shall provide the capability for users to request storage of analysis products.

CCS.3-0310	System Monitoring shall submit requests for storage of analysis products to Data Management.
CCS.6-0340	The GUI shall provide the capability for authorized users to request the results of engineering data processing to saved.
CCS.6-0350	The GUI shall provide the capability for authorized users to copy the result of an analysis request to a specified location.

Parent Requirement **CCS-0600** The CCS shall perform spacecraft subsystem monitoring, attitude determination, calibration and engineering data management functions.

Child Ident	Child Requirement
CCS.3-0210	System Monitoring shall be able to detect deviations from expected spacecraft behavior by comparing the expected state with the actual state indicated by engineering telemetry, filtered events, and state change information from Command Processing.
CCS.3-0350	System Monitoring shall provide real-time attitude determination, coarse attitude determination, fine attitude determination, attitude sensor calibration, and attitude simulation capabilities.
CCS.3-0360	System Monitoring shall be able to calculate calibration parameters required for proper operation of HST on-board attitude control software.
CCS.3-0380	System Monitoring shall perform monitoring of the HST Optical Telescope Assembly and Fine Guidance Sensor.
CCS.3-0390	System Monitoring shall provide analysis to maintain alignment and calibration of the OTA.
CCS.3-0400	System Monitoring shall provide analysis to maintain alignment and calibration of the FGS.
CCS.3-0410	System Monitoring shall calculate the correlation between Universal Time Coordinated and spacecraft vehicle clock count.

Parent Requirement	CCS-0610	The CCS shall be able to process engineering data received from new ORU/ORIs.

Child Ident	Child Requirement
CCS.3-0030	System Monitoring shall be able to accommodate spacecraft configuration changes due ORI/ORU replacement.

Parent Requirement	CCS-0701	The CCS shall provide the capability for users to access (create, retreive, update and delete) data needed to support the mission.

Child Ident	Child Requirement
CCS.6-0360	The GUI shall provide the capability for authorized users to retrieve and display the results of analysis requests.

Parent Requirement	CCS-0740	The CCS shall provide the capability for authorized users to prevent the CCS system from automatically taking specific actions when an unexpected deviation in expected CCS system behavior is detected.

Child Ident	Child Requirement
CCS.6-0370	The GUI shall provide the capability for authorized users to enable and disable automated CCS system monitoring functions.

Parent Requirement	CCS-0770	The CCS shall provide the capability for users to access on-line system documentation and functions.

Child Ident	Child Requirement
CCS.6-0380	The GUI shall display on-line help information associated with the use of system functions.
CCS.6-0390	The GUI shall provide access to help associated with the currently active display.

Parent Requirement	CCS-0780	The CCS shall notify the user when requested on-line system documentation cannot be provided.

Child Ident	Child Requirement
CCS.6-0400	The GUI shall notify the user when requested on-line system documentation cannot be provided.

Parent Requirement	CCS-0790	The CCS shall protect spacecraft commanding functions in accordance with Sensitivity Level 2 system requirements as defined by GHB 1600.1A and NHB 2410.9.

Child Ident	Child Requirement
CCS.6-0410	The GUI shall only provide access to spacecraft commanding functions from a Sensitivity Level 2 terminal (i.e., within the core).

Parent Requirement	CCS-0810	The CCS shall require all system users to uniquely identify themselves as part of the logon sequence.

Child Ident	Child Requirement
CCS.6-0420	The GUI shall ensure that the user has successfully logged-in before making any CCS functionality available to that user.

Parent Requirement	CCS-0820	The CCS shall require all system users to authenticate their identity prior to being granted access to the system.

Child Ident	Child Requirement
CCS.6-0410	The GUI shall only provide access to spacecraft commanding functions from a Sensitivity Level 2 terminal (i.e., within the core).

Parent Requirement	CCS-0830	The CCS shall verify that a user is authorized for a requested function prior to granting access to that function.

Child Ident	Child Requirement
CCS.6-0410	The GUI shall only provide access to spacecraft commanding functions from a Sensitivity Level 2 terminal (i.e., within the core).

Parent Requirement	CCS-0840	The CCS shall verify that a user is authorized to receive requested data prior to granting access to that data.

Child Ident	Child Requirement
CCS.6-0430	The GUI shall ensure that the user has successfully logged-in before making any CCS data available to that user.

Parent Requirement	CCS-0850	The CCS shall be able to create, maintain, and protect from modification or unauthorized access or destruction, an audit trail of accesses to system functions and data.

Child Ident	Child Requirement
CCS.6-0440	The GUI shall be able to audit security relevant actions taken by the user.

Parent Requirement	CCS-0880	The CCS shall provide the capability for unidentified users to access those system functions and data that have explicitly been made available to them.

Child Ident	Child Requirement
CCS.6-0090	The GUI shall provide access to help associated with the currently active display.

Parent Requirement	CCS-0900	The CCS shall determine what corrective action to take, within 10 (TBD) seconds after receipt of real-time engineering data that indicates a deviation in expected spacecraft operations.

Child Ident	Child Requirement
CCS.3-0440	System Monitoring shall begin analysis to determine what corrective action to take within 3 (TBD) seconds after detecting a deviation from expected spacecraft behavior.
CCS.3-0450	System Monitoring shall be able to complete analysis to determine what corrective action to take within 7 (TBD) seconds after detecting a deviation from expected spacecraft behavior.

Parent Requirement	CCS-0940	The CCS shall make real-time engineering data available to requesting users within 0.5 seconds after the receipt of that data by the system.

Child Ident	Child Requirement
CCS.6-0450	The GUI shall be able to display real-time engineering data within 0.5 seconds of receipt of that data.

Parent Requirement	CCS-0980	The CCS shall provide requested summary engineering data (derived from hourly statistics) to a requesting user within 1 (TBD) minute on average [3 (TBD) minutes maximum] after the submission of a request specifying start and stop times, when all the requested engineering data is less than 30 days old, and the resulting data set does not exceed 100,000 points of data.

Child Ident	Child Requirement
CCS.3-0500	System Monitoring shall request summary engineering data from data management within 1 (TBD) second of receiving the request on behalf of a CCS user.
CCS.3-0510	System Monitoring shall format summary engineering data for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-0990	The CCS shall provide requested summary engineering data (derived from hourly statistics) to a requesting user within 2 (TBD) hours on average [8 (TBD) hours maximum] after the submission of a request specifying start and stop times, when all the requested engineering data is greater than 30 days and less than 2 years old, and the resulting data set does not exceed 30,000 points of data.

Child Ident	Child Requirement
CCS.3-0500	System Monitoring shall request summary engineering data from data management within 1 (TBD) second of receiving the request on behalf of a CCS user.
CCS.3-0510	System Monitoring shall format summary engineering data for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1000	The CCS shall provide requested summary engineering data (derived from hourly statistics) to a requesting user within 24 (TBD) hours on average [3 (TBD) days maximum] after the submission of a request specifying start and stop times, when any of the requested engineering data is greater than 2 years old, and the resulting data set does not exceed 130,000 points of data.

Child Ident	Child Requirement
CCS.3-0500	System Monitoring shall request summary engineering data from data management within 1 (TBD) second of receiving the request on behalf of a CCS user.
CCS.3-0510	System Monitoring shall format summary engineering data for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1010	The CCS shall provide requested detailed engineering data (derived from raw telemetry) to a requesting user within 4.5 (TBD) hours on average [14 (TBD) hours maximum] after the submission of a request specifying start and stop times, when all the requested engineering data is less than 1 day old, and the resulting data set does not exceed 60,000 points of data.

Child Ident	Child Requirement
CCS.3-0520	System Monitoring shall request detailed engineering data from data management within 1 (TBD) second of receiving the request on behalf of a CCS user.
CCS.3-0530	System Monitoring shall format detailed engineering data for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1020	The CCS shall provide requested detailed engineering data (derived from raw telemetry) to a requesting user within 9 (TBD) hours on average [28 (TBD) hours maximum] after the submission of a request specifying start and stop times, when any of the requested engineering data is greater than 1 day and less than 30 days old, the requested time period is less than 2 days in duration, and the resulting data set does not exceed 60,000 points of data.

Child Ident	Child Requirement
CCS.3-0520	System Monitoring shall request detailed engineering data from data management within 1 (TBD) second of receiving the request on behalf of a CCS user.
CCS.3-0530	System Monitoring shall format detailed engineering data for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1030	The CCS shall provide requested detailed engineering data (derived from raw telemetry) to a requesting user within (TBS) hours on average [(TBS) hours maximum] after the submission of a request specifying start and stop times, when any of the requested engineering data is greater than 30 days old, the requested time period is less than 2 days in duration, and the resulting data set does not exceed 60,000 (TBD) points of data.

Child Ident	Child Requirement
CCS.3-0520	System Monitoring shall request detailed engineering data from data management within 1 (TBD) second of receiving the request on behalf of a CCS user.
CCS.3-0530	System Monitoring shall format detailed engineering data for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1040	The CCS shall provide a result set (defined by an SQL query) to a requesting user within 30 (TBD) seconds on average [90 (TBD) seconds maximum] after the submission of a request to identify pre-defined spacecraft/system events, when all the requested events are less than 30 days old.

Child Ident	Child Requirement
CCS.3-0540	System Monitoring shall forward a query for a result set to data management within 1 (TBD) second of receiving the query on behalf of a CCS user.
CCS.3-0550	System Monitoring shall format the results of a result set query for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1050	The CCS shall provide a result set (defined by an SQL query) to a requesting user within 2 (TBD) minutes on average [6 (TBD) minutes maximum] after the submission of a request to identify pre-defined spacecraft/system events, when any of the requested events is greater than 30 days old.

Child Ident	Child Requirement

CCS.3-0540	System Monitoring shall forward a query for a result set to data management within 1 (TBD) second of receiving the query on behalf of a CCS user.
CCS.3-0550	System Monitoring shall format the results of a result set query for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement **CCS-1060** The CCS shall provide a result set (defined by an SQL query), to a requesting user within 6 (TBD) hours on average [18 (TBD) hours maximum] after the submission of a request to identify user-defined spacecraft/system events, when all the requested events are less than 30 days old.

Child Ident	Child Requirement
CCS.3-0540	System Monitoring shall forward a query for a result set to data management within 1 (TBD) second of receiving the query on behalf of a CCS user.
CCS.3-0550	System Monitoring shall format the results of a result set query for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement **CCS-1070** The CCS shall provide a result set (defined by an SQL query), to a requesting user within 6 (TBD) days on average [18 (TBD) days maximum] after the submission of a request to identify user-defined spacecraft/system events, all of the requested events are less than 2 years old.

Child Ident	Child Requirement
CCS.3-0540	System Monitoring shall forward a query for a result set to data management within 1 (TBD) second of receiving the query on behalf of a CCS user.
CCS.3-0550	System Monitoring shall format the results of a result set query for display to the requesting user within 4 (TBD) seconds of receiving that data from data management.

Parent Requirement	CCS-1080	The CCS shall notify the appropriate user within 5 (TBD) seconds, when a deviation in expected CCS system behavior is detected.

Child Ident	Child Requirement
CCS.3-0560	System Monitoring shall issue a request to CCS management to notify the appropriate user within 3 (TBD) seconds after detecting a deviation from expected spacecraft behavior.
CCS.6-0460	The GUI shall be able to display a message to a specified user within 0.5 seconds of receipt of that message.

Parent Requirement	CCS-1090	The CCS shall be able to support the transition from existing spacecraft hardware to new ORU/ORIs within 5 (TBD) minutes .

Child Ident	Child Requirement
CCS.3-0570	System Monitoring shall be able to support the transition from existing spacecraft hardware to new ORU/ORIs within 5 (TBD) minutes..